United States Steel Corporation
EASTERN STEEL DIVISION
LORAIN-CUYAHOGA WORKS
1807 EAST 28TH STREET
LORAIN, OHIO 44055

October 5, 1983

Ohio EPA
Northeast District Office
2110 E. Aurora Rd.
Twinsburg, Ohio 44087

Attn: Mr. Steve Tuckerman
Div. of Haz. Waste Mgmt.

Subject: K062 Tank Overflow Incident
Cuyahoga Plant
No. 02-18-0091

Dear Sir:

Attached is the report on the K062 tank overflow incident, as requested in your letter of August 5, 1983.

Yours truly,

M. S. White, Jr.
Chief Engineer

RCS:cs

UNITED STATES STEEL - LORAIN-CUYAHOGA WORKS

K062 TANK OVERFLOW INCIDENT REPORT
CUYAHOGA PLANT

Facility Owner: U. S. Steel Corporation
600 Grant Street
Pittsburgh, Pa. 15230

Facility Location: U. S. Steel Corporation
4300 E. 49th Street
Cuyahoga Heights, Ohio 44125

Ohio EPA RCRA
Permit No.: 02-18-0091

Mr. Steve Tuckerman, Northeast Ohio District, in his letter of August 5, 1983, requested U. S. Steel Corporation to submit a report on a K062 tank overflow incident. Evidence of the overflow was observed during his hazardous waste permit inspection of the Cuyahoga Plant on July 7, 1983.

Spent pickle liquor (K062) from the plant's pickling lines is stored in four closed 40,000 gallon carbon steel tanks. The tanks are lined with acid-resistant brick, and there is a layer of rubber between the brick and steel tank wall. The tanks are interconnected and each is equipped with two waste inlet pipes at the top, a level indicator, and a vent. All of the spent acid is shipped to the Northeast Ohio Regional Sewer District for reuse.

The tanks are inspected each operating turn, and the acid level of each tank is recorded in a log book along with any leaks observed or maintenance performed. The log book indicates that the tanks were filled only twice since 1978 (7/21/81 and 1/3/79) and in either case were there any comments regarding a tank overflow or spill. Therefore, it is believed that the overflow occurred prior to January 3, 1979. The volume of the overflow is not known.

The area affected was approximately 4' by 5'. The lowest pH found was 4 S.U. and the average was 5 S.U. The depth of the affected area was approximately 6".

To insure that all of the contaminated material is removed, a 6' x 9' area, 12" deep was removed on 10/4/83.

Note to file: During my inspection of 6-8-82, I noticed a leak from the vent/overflow of one of the tanks. I checked the operating record & that tank was, indeed not in service. During the 7-7-83, inspection, I noticed another tank that had overflowed that I did not notice on the 82 inspection. I did not have time to look at the operating record & assumed the overflow had occurred since '82 check on '84 inspection

10/5/83